

Serial Nr.: 09/758,598
Art Unit: 2821

UPA-01106

51
FIG. 7g shows an extended bent pattern instead of a straight metal wire being used for the second radiating element.

Page-8, lines 13-20, amend the paragraph as:

92
According to the invention, the extended bent wire of the first radiating element 302 has many types of patterns. FIGs. 7a-7c show three preferred embodiments with a square-wave pattern, a saw-teeth pattern and a sinusoid pattern respectively. Using the extended bent pattern, the overall length of the antenna element can be reduced. Moreover, the extended bent wire of the first radiating element 302 can be a combination of the above-mentioned extended bent patterns as illustrated in FIGs. 7d-7f. Every extended bent pattern can have different periods or cycles. The central frequency and the bandwidth of the antenna element can be adjusted by controlling the length of the bent metal wire and the number of bends.

Page 8, line 21 to page 9, line 5, amend the paragraph as:

93
The second radiating element 304 is a straight conductor used to control the characteristics of the higher frequency band of the antenna and is implemented by a metal wire in the invention. The central frequency and the bandwidth of the higher frequency band of the antenna can be adjusted by controlling the length and the width of the straight conductor. Although a straight metal wire is shown for the second radiating element 304 in the embodiments described above, this straight metal wire may be implemented by means of extended bent patterns as illustrated in FIG. 7g.